2 Sunny Explorer

2.1 Appropriate Usage

You can visualize and manage data from your *Bluetooth* PV plant using the Sunny Explorer software. You can also configure single devices or entire classes of devices of your PV plant.

The connection to the devices is established via *Bluetooth*. The computer must be equipped with *Bluetooth* (i.e., via an integrated *Bluetooth* module or via a USB *Bluetooth* stick).

Sunny Explorer is a network-forming device (master device). Master devices are communication products which create a *Bluetooth* network, display devices, and collect and analyze device data.

The number of devices which Sunny Explorer can manage depends on the number of master devices in the *Bluetooth* network with the same NetID. Providing that Sunny Explorer is the only master in the *Bluetooth* network, it can manage up to 50 devices. If 2 masters are present in the *Bluetooth* network (e.g. Sunny Explorer and Sunny Beam with *Bluetooth*), a maximum of 25 devices can be managed with Sunny Explorer.

Using the Sunny Explorer, you can change the safety-related parameters of SMA inverters (i.e., SMA Grid Guard Parameter). Incorrectly set parameters can damage or destroy the inverter. Do not alter these safety-relevant parameters only after prior consultation with your electric power company operating the grid into which your plant feeds.

Unauthorized changes to the SMA Grid Guard parameters void the PV plant's operating license.

Do not use the data from Sunny Explorer for billing purposes.

Read the relevant instructions to your *Bluetooth* devices and use Sunny Explorer only for the purpose described in this manual.

2.1.1 Supported Products

Sunny Explorer supports the following SMA product:

- SMA inverters with integrated *Bluetooth*
  - Software package 2.06: SB 3000TL-20 / SB 4000TL-20 / SB 5000TL-20
  - SB 2000HF / SB 2500HF / SB 3000HF
  - STP 10000TL-10 / STP 12000TL-10 / STP 15000TL-10 / STP 17000TL-10
- SMA inverters with upgraded SMA *Bluetooth* Piggy-Back from the software version 02.00.00.R. A list of the supported inverters can be found in the SMA *Bluetooth* Piggy-Back manual.
- SMA *Bluetooth* Repeater